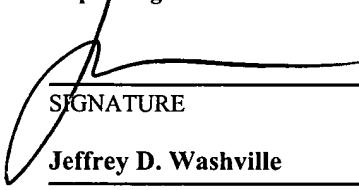


FORM PTO-1390 (Modified) (REV. 07-2004) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE		ATTORNEY'S DOCKET NUMBER <b>MAV-102-C1</b>	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>NA 10/516788</b>	
INTERNATIONAL APPLICATION NO. <b>PCT/US03/17040</b>	INTERNATIONAL FILING DATE <b>03 JUNE 2003</b>	PRIORITY DATE CLAIMED <b>03 JUNE 2002</b>	
TITLE OF INVENTION <b>Method and Apparatus for Detecting the Presence of Flame in the Exhaust Path of a Gas Turbine Engine</b>			
APPLICANT(S) FOR DO/EO/US <b>PLIMPTON, Jonathan; JUBINVILLE, Leo; DUCKLESS, Edward</b>			
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> <p><b>Items 13 to 23 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <u>EV610301593US</u></li> <li>23. <input checked="" type="checkbox"/> Other items or information: <b>POSTCARD</b></li> </ol>			

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <b>134516788</b>	INTERNATIONAL APPLICATION NO. <b>PCT/US03/17040</b>	ATTORNEY'S DOCKET NUMBER <b>MAV-102-C1</b>																				
<p>24. The following fees are submitted:</p> <p><b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) :</b></p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 75%;"> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1110.00</td> <td style="vertical-align: top; width: 25%; text-align: right;"><b>CALCULATIONS PTO USE ONLY</b></td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$950.00</td> <td></td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$790.00</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$750.00</td> <td></td> </tr> <tr> <td><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00</td> <td></td> </tr> </table> <p style="text-align: center;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></p> <p style="text-align: right;">\$740.00</p> <p>Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%; vertical-align: bottom; padding-right: 10px;"><input type="checkbox"/> 20</td> <td style="width: 60%; vertical-align: bottom; padding-left: 10px;"><input type="checkbox"/> 30</td> <td style="width: 20%;"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">\$0.00</td> </tr> </table>			<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1110.00	<b>CALCULATIONS PTO USE ONLY</b>	<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$950.00		<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$790.00		<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$750.00		<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00		<input type="checkbox"/> 20	<input type="checkbox"/> 30				\$0.00				
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		charged																				
<p>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$1,058.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>12-2147</u></p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																						
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</b></p> <p>SEND ALL CORRESPONDENCE TO:</p> <p><b>Jeffrey D. Washville</b>  <b>LORUSSO LOUD &amp; KELLY LLP</b>  <b>15 Rye Street, Suite 312</b>  <b>Portsmouth, NH 03801</b>  <b>Phone (603) 427-0070</b>  <b>Fax (603) 427-5530</b></p>																						
 <p><b>SIGNATURE</b></p> <p><b>Jeffrey D. Washville</b></p> <p><b>NAME</b></p> <p><b>46,366</b></p> <p><b>REGISTRATION NUMBER</b></p> <p><b>3 DEC 2004</b></p> <p><b>DATE</b></p>																						

10/516788

DT12 Rec'd PCT/PTO 03 DEC 2004

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Jonathan Plimpton

Docket No.

MAV-102-C1

Application No.  
NAFiling Date  
3 DEC 2004Examiner  
NA

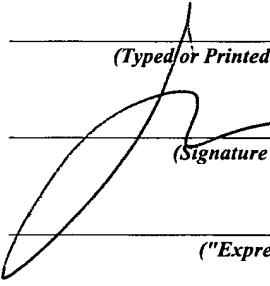
Customer No.

Group Art Unit  
NA

Invention: Method and Apparatus for Detecting the Presence of Flame in the Exhaust Path of a Gas Turbine

I hereby certify that this National Stage filing of PCT/US03/17040*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on

3 DEC 2004*(Date)*Jeffrey D. Washville*(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)*EV 610301593 US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**Change Of Attorney Or Agent's Address In Application  
(37 CFR 1.8(a))**

Docket No.

MAV-102-C1

In Re Application Of: **Jonathon Plimpton**Application No.  
NAFiling Date  
3 DEC 2004Examiner  
NAGroup Art Unit  
NAInvention: **Method and Apparatus for Detecting the Presence of Flame in the Exhaust Path of a Gas Turbine Engine****COMMISSIONER FOR PATENTS**

Please send all correspondence for this application to:

**LORUSSO LOUD & KELLY LLP**  
**15 Rye Street, Suite 312**  
**Portsmouth, NH 03801**  
**Phone (603) 427-0070**  
**Fax (603) 427-5530**

Customer Number:

Please direct all telephone calls to:

**Jeffrey D. Washville***Signature of Attorney or Agent of Record***Jeffrey D. Washville**Dated: **3 DEC 2004**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on **3 DEC 2004**

(Date)

*Signature of Person Mailing Correspondence***Jeffrey D. Washville***Typed or Printed Name of Person Mailing Correspondence*

**46,366 15 Rye Street, Suite 312, Portsmouth, NH 03801**  
*Registration Number & Address of Attorney or Agent of Record*